## **UTILITY PATENT APPLICATION TRANSMITTAL** (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. HIR-140

Total Pages in this Submission 43

### TO THE COMMISSIONER FOR PATENTS

**Mail Stop Patent Application** 

					Alex	P.O. Box 1450 andria, VA 22313-145	0		
Trans invent				filing under 35	5 U.S.C. 11	1(a) and 37 C.F.R. 1.53	(b) is a new utility patent application	ation for an	
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lf a C	ONT	INUA	TION AP	PLICATION,	check appi	ropriate box and supply	the requisite information:		
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			ion 🗆	Divisional	☐ Cont	inuation-in-part (CIP)	of prior application No.:		
Enclo	sed a	are:			A	pplication Elements			
1.	×	Filir	na fee as d	calculated and	d transmitte	ed as described below			
2.		•		26		ncluding the following:			
	a.	×	Descript	ive Title of the	e Invention				
	b.   Cross References to Related Applications (if applicable)								
	C.		3 Statement Regarding Federally-sponsored Research/Development (if applicable)						
	d.		Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix						
	e.	X	Backgro	und of the Inv	ention/				
	f.	×	Brief Sur	mmary of the	Invention				
	g.	X	Brief Des	scription of th	e Drawings	(if filed)			
	h.	×	Detailed	Description					
	i.	×	Claim(s)	as Classified	Below				
	j.	X	Abstract	of the Disclos	sure				

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		Applicati n El m nts (C ntinued)
3.	$\boxtimes$	Drawing(s) (when necessary as prescribed by 35 USC 113)
	a.	
	b.	☐ Informal Number of Sheets
4.	X	Oath or Declaration
	a.	☑ Newly executed (original or copy) ☐ Unexecuted
	b.	☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
	C.	☑ With Power of Attorney ☐ Without Power of Attorney
-	d.	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5.		Incorporation By Reference (usable if Box 4b is checked)  The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6.		CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7.		Application Data Sheet (See 37 CFR 1.76)
8.		Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
	a.	□ Computer Readable Form (CFR)
	b.	☐ Specification Sequence Listing on:
		i. CD-ROM or CD-R (2 copies); or
		ii. 🔲 Paper
	C.	□ Statement(s) Verifying Identical Paper and Computer Readable Copy
		Accompanying Application Parts
9.	$\boxtimes$	Assignment Papers (cover sheet & document(s))
10.		37 CFR 3.73(B) Statement (when there is an assignee)
11.		English Translation Document (if applicable)
12.		Information Disclosure Statement/PTO-1449
13.		Preliminary Amendment
14.	X	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15.		Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.		Certificate of Mailing
		☐ First Class ☑ Express Mail (Specify Label No.): EL 813325444 US

# UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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Total Pages in this Submission 43

		Acc mpanying Application Parts (C ntinued)
17.	×	Applicant claims small entity status. See 37 CFR 1.27.
		☐ (Optional) Small Entity Statement(s) - Specify Number of Statements Submitted:
18.		Additional Enclosures (please identify below):
-		
•		
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
19.		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
		Warning
		An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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#### Fee Calculation and Transmittal

		CLAIMS	S AS FILED				
For	#Filed	#Allowed	#Extra		Rate		Fee
Total Claims	31	- 20 =	11	x	\$9.00		\$99.00
Indep. Claims	7	- 3 =	4	x	\$42.00	_	\$168.00
Multiple Dependen	t Claims (checl	k if applicable)					\$0.00
·						BASIC FEE	\$375.00
OTHER FEE (spec	cify purpose)	AS	SSIGNMENT I	RECORD	ATION		\$40.00
					TOTA	L FILING FEE	\$682.00

A check in the amount of

\$682.00

to cover the filing fee is enclosed.

The Director is hereby authorized to charge and credit Deposit Account No.

12-2147

as described below.

☐ Charge the amount of

as filing fee.

☑ Credit any overpayment.

☑ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.

☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance,

pursuant to 37 C.F.R. 1.311(b).

Dated: 17 SEP 2003

Signature

JÉFFREY D. WASHVILLE, REG. NO. 46,366

ØRUSSO LOUD & KELLY LLP

440 COMMERCIAL STREET

**BOSTON, MA 02109** PHONE (603) 427-0070 FAX (617) 723-4609

CC:

pplicant(s): HANAI et a	IAILING BY "EXPRESS M	IAIL" (37 CFR 1.10)	Docket No. HIR-140
Serial No. NA	Filing Date 17 SEP 2003	Examiner NA	Group Art Unit
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